AD-6: Coordinate for Efficient Surface Movement

Benefits, Performance and Metrics

Performance/Benefits	Metrics
Departure throughput rates will increase and average taxi-out times decrease due to better sequencing and load balancing at departure	• Aggregate sum of inter-departure spacing times should be reduced for all flights in the presence of a queue.
Improved traffic flow and increased situational awareness will decrease the taxi-times	• Taxi time from touchdown to gate for equipped flights compared to average for all flights same runway, concourse and time slot • Taxi times and departure throughput rates serve as proxies for improved traffic flow.
Airport surface safety will be improved through increased situational awareness	• Runway incursion incident rate • Taxi-Clearance deviations
Improved communications and coordination will occur between system stakeholders.	• Number of aircraft in departure queue should decline and be more evenly balanced (considering departure path and user preference). • Number, duration, and type of ATC communications within the surface area for a specific equipped flight during ground operations compared to average for all flights over same path (same time slot). [Communications focused on present position and intent should be reduced from the baseline.]